## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 3 June 2004 (03.06.2004)

PCT

## (10) International Publication Number WO 2004/046051 A1

(51) International Patent Classification7: C25B 015/02

C02F 001/46,

(21) International Application Number:

PCT/AU2003/001549

(22) International Filing Date:

19 November 2003 (19.11.2003)

(25) Filing Language:

English

(26) Publication Language:

**English** 

(30) Priority Data: 2002952743 · 19 November 2002 (19.11.2002)

(71) Applicant (for all designated States except US): AQUE-NOX PTY LTD [AU/AU]; Suite 112, Level 1, 89 High Street, Kew, Victoria 3101 (AU).

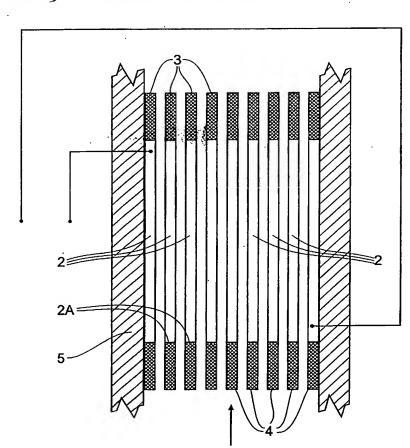
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KING, Cameron

[AU/AU]; c/- Suite 112, Level 1, 89 High Street, Kew, Victoria 3101 (AU).

- (74) Agent: FISHER ADAMS KELLY; 13/10 EAGLE STREET, GPO BOX 1413, Brisbane, Queensland 4000
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU; ZA, ZM; ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: ELECTROCOAGULATION SYSTEM



(57) Abstract: A control assembly for an electrocóagulation cell (1) comprising a plurality of electrodes, a releasable connection means (6) between at least a selection of the electrodes and electrical connection means (9, 10, 9A, 10A) attached to the releasable connection means (6) which in use is connectable to a power supply (12). An electrocoagulation system comprising a plurality of electrodes (2), an electrolytic cell (1) having an internal chamber which contains the plurality of electrodes (2), and a power supply (12) connectable to a power source and also connectable to the electrodes said power supply having control means (14, 24) for providing a selected constant output current or selected constant output voltage whereby the electrolytic cell may process samples of varying characteristics.